MX4111N/5111N Specifications

Main Specifications

MX4111N/5111N	Base models include multi-tasking controller, 150-sheet DSPF, PCL6/5c/ PS3 network printing/scanning, auto duplexing, 2 x 500-sheet paper drawers, 100-sheet bypass tray. Developer is included.
Type	Desktop, colour multi-function digital document system
Display	10.1" (diagonally measured) colour dot matrix high-resolution touch panel tilting display. 1024 x 600 dots (W-SVGA)
Functions	Copy, print, network print, network scan, document filing and fax[1]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Belt type fusing/white LED exposure
Originals	Sheets and bound documents
Max Original Size	11" x 17"
Copy Size	Min. 5.5" x 8.5", Max. 11" x 17" + 12" x 18"
Copy Speed	41/51 ppm B&W/Colour (8.5" x 11")
Multiple Copy	Max. 999 copies

First Copy Time (Seconds)[2]	MX4111N Black	MX4111N Colour	MX5111N Black	MX5111N Colour
Platen Glass	4.7	6.7	4.1	5.7
Doc. Feeder	7.4	10.3	6.7	9.2

Warm Up Time	34 seconds or less[2]
Magnification	25% to 400% in 1% increments (with document feeder 25%-200%)
Original Feed	150-sheet DSPF
Scan Speed	RSPF Copy/Scan: Up to 51 IPM[2] DSPF Copy: Up to 75 IPM (B&W)/51 IPM (Colour) DSPF Scan: Up to 75 IPM[2]
Original Sizes	5.5" x 8.5", 8.5" x 11", 8.5" x 11" R, 8.5" x 14", 11" x 17"
Paper Feed System	Standard: (2) 500-sheet paper drawer (letter/legal/ledger/statement size) and 100-sheet bypass tray (letter/legal/ledger/statement/ envelope size). Optional: Single or double drawer paper deck (500 or 1000 sheets), letter/legal/ledger/statement size.
Paper Types	Paper drawers: 16 lb. bond -110 lb. index. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and colour paper. Bypass Tray: 16-28 lb. bond (plain paper), 13-16 lb. bond (thin paper), 110-140 lb. index (heavy paper), 20-24 lb. bond (Monarch/Com-10 envelope), tab paper (letter). Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, colour paper and OHP film.
Duplexing	Standard automatic duplex copying and printing
CPU	Up to 1250 MHz Multi-Processor Design
Interface	RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 (2 host ports, front and rear), USB 2.0 (1 device port, rear)
Memory	Standard 2 GB Copy/Scan; 1 GB Printer Memory
Hard Disk Drive	160 GB; 86 GB for document filing
Copy Resolution	Scan: B&W/colour: 600 x 600 dpi; Copy Output: B&W/colour: 600 x 600 dpi
Colour Modes	Auto Colour Control (ACC), Full Colour Mode, Monochrome (B/W)
Exposure Control	Modes: Automatic Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Colour Document. Settings: Auto or 9 step manual
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once Print-Many, electronic sorting, offset-stacking, Auto Colour Sensing (ACS), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), image preview, image edit, auto tray switching, rotation copy, reserve copy, tandem copy, book copy, margin shift, tab-paper insertion, edge erase, centre erase, book divide, dual page copy, cover pages, insert pages, OHP insertion, job build, card shot, blank page skip, mirror image, black-white reversal, centring, proof copy, 2-in-1/4-in-1/8-in-1, pamphlet, watermark custom image, job programs.
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/password (on device) or login name/password (on device via LDAP server) for Copy, Print, Scan, Fax and document management.
Output Tray Capacity	Main output tray (top) 400 sheets (face down); optional eject tray (right 1 side) 100 sheets (face down)
Firmware Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Management)
Configuration Method	Web-based management with user/administrator level login, cloning (1 to N) with SRDM and remote front panel access
Service/Functions	Remote front panel, remote access to service logs and click counts
Accessibility Features	Tilt Front Panel, Adjustment of Key Touch-Send and Speed, Concave Key, Document Feeder Free Stop, Job Programs, Remote Front Panel, Universal Grip for Paper Trays, and Disable Screen Timeout
Environmental Standards	International Energy Star Program Ver. 1.1, Law on Promoting Green Purchasing. European RoHS (Restriction of Hazardous Substances)
Power	AC 100-127 VAC, 60 HZ, 16 Amps
Power Consumption	Maximum: 1440 W or less
Weight	MX4111N: Approx. 276.5 lbs./MX5111N: 278 lbs.
Approx. Dimensions	25.5" (w) x 30" (d) x 38" (h)

Network Printing System

PDL	Standard PCL® 6/PCL5c compatible, PostScript® 3™ compatible, optional XPS
Resolution	1200 x 1200 dpi
Print Speed	41/51 pages per minute (8.5" x 11")
Print Drivers	Windows 2000, Windows Server® 2003-2008, Windows XP, Windows XP x64, Windows Server x64, Windows Vista®, Windows Vista® x64, Windows 7, MAC OS®, 9.2.2, OSX (including 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.1), all MAC PPD.
Features	Auto configuration, continuous printing, electronic sorting, offset stacking, N-up printing, duplex printing, transparency inserts, margin shift, image rotation, different cover page, poster print, job bypass print, job retention, confidential print, proof print, user authentication, image stamp and watermarks. Additional features: Multiple pamphlet, network tandem print, carbon copy print mode, different cover page/last page/other page, form overlay, tab paper settings, tab printing, chapter inserts, page Interleave and bar code font printing[1]
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, PostScript and (optional) XPS[1] Methods: FTP, Web page, E-mail and USB memory
Resident Fonts	80 outline fonts (PCL), 136 fonts (PS)
Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0
Operating Systems	Windows Server 2003-2008, Windows 2000/XP, Windows Vista, Windows 7, MAC OS 9-9.2.2, MAC OSX 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.5, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, Unix®, Linux® and Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services.[1]
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, SMTP, POP3, LDAP, 802.1x for Windows and Unix. LPD and LPR for Unix. IPX/SPX® for Novell environments. EtherTalk® and NetBEUI. AppleTalk® for Macintosh® environments.[1]
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter
Network Security	IP/MAC address filtering, protocol filtering, port management, user authentication and document administration.[1]
Security Standards	IEEE-2600™-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)[1]

Network Scanning System

Scan Modes	Standard: Colour, monochrome, greyscale
Max Original Size	11" x 17"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, XPS Colour: Greyscale, Colour TIFF, JPEG, PDF, Encrypted PDF, XPS Internet Fax: TIFF-FX, TIFF-F, TIFF-S[1]
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Colour/Greyscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
One-touch Destinations	Up to 2000 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs	Up to 100
Network Protocols	TCP/IP and SSL (includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x.
Network Security	E-mail server user authentication for LDAP and Active Directory
Software	Sharpdesk® desktop personal document management software (1 user license included)

B&W Super G3 Fax Kit (option)

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[3]
Compression Method	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max. Resolution	400 dpi
Transmit Speed	Approx. 2 seconds with Super G3/JBIG[4]
Auto Dialing	Up to 2000 (combined scan destinations)
Group Dial	Up to 500 destinations
Inbound Fax Routing	Forwards received fax data to E-mail
Long Length Originals	Up to 31.5" (for transmission)
Programs	48 (combined)
Memory	Shared
Halftone	256 levels

Saddle-Stitch Finisher (MXFN10: option)

Type	Console finisher with dual exit trays (mounts on left side of host machine)
Output Trays	Upper tray: Offset stack tray Lower tray: Book tray for saddle-stitch
Output Capacity	1000 sheets (letter/statement size) or 500 sheets (legal, ledger, letter)
Stapling	Up to 50 sheets (letter/statement) or 25 sheets (legal, ledger or mixed)
Output Delivery	Face down
Stapling Media	Plain paper, letter/legal/ledger size or mixed
Stapling Positions	1 front, 1 rear, or both
Saddle-Stitch Function	Centre stitch/centre folding (2 staples) letter/legal/ledger paper sizes
Saddle-Stitch Max. Sets	Up to 10 sets (11-15 sheets per set)/ 15 sets (6-10 sheets per set)/ 20 sets (1-5 sheets per set)
Power Consumption	70 W or less (MXFN10)/ 138 W or less (MXFN18)
Hole Punching	Optional three-hole punch unit MXPNX5B (MXFN10)/MXPNX6B (MXFN18)
Weight	Approx.: 88.5 lbs. (MXFN10)/Approx.: 161 lbs. (MXFN18)
Dimensions	26" (w) x 25" (d) x 39" (h) (MXFN10 with tray extended)

4K Stacking Finisher (MXFN11: option)

Type	Console stacking finisher with dual exit trays (mounts on left side of host machine)
Output Trays	Fixed position upper tray and offset stacking lower tray
Output Capacity	Upper tray: 1,550 sheets (letter size, non-stapled) Lower tray: 2,450 sheets (letter size, non-stapled)
Stapling	Three position; Up to 50 sheets (letter/statement)
Power Consumption	Approx. 140 W
Hole Punching	Optional three-hole punch unit MXPNX6B
Weight Approx	97 lbs.
Dimensions	20.5" (w) x 25.5" (d) x 43.5" (h) (MXFN11 with tray extended)

Optional Equipment

MXDE15	Stand/1 x 500 Sheet Paper Drawer
MXDE16	Stand/2 x 500 Sheet Paper Drawer
MX51ABD	Rolling Cabinet Base
MXLC11	Large Capacity Tray (requires MXDE15 or MXDE16)
MXFNX9	Inner Finisher
MXPNX1B	3 Hole Punch Unit (requires MXFNX9)
MXFN10	1K Saddle-Stitch Finisher
MXPNX5B	3 Hole Punch Unit (requires MXFN10)
MXFN11	4K Stacking Finisher
MXFN18	4K Saddle-Stitch Finisher
MXRB11	Paper Pass Unit (requires MXFN10/11/18)
MXPNX6B	3 Hole Punch Unit (requires MXFN11/18)
MXSCX1	Staple Cartridge (5,000 staples) (requires MXFNX9/FN10)
ARSC2	Staple Cartridge (5,000 staples) (requires MXFN11/18)
ARSC3	Staple Cartridge (2,000 staples) (requires MXFN10/18)
MXTRX2	Right Exit Tray
MXTU13	Centre Exit Tray
MXPUX1	XPS Expansion Kit (Requires MXSHP1GBCR3)
MXSHP1GBCR3	1 GB Memory Upgrade (Required for MXPUX1)
MXFX11	Fax Expansion Kit
MXFWX1	Internet Fax Kit
MXPF10	Bar Code Font Kit
ARSU1	Stamp Unit (Requires ARSV1 Stamp Cartridge)
ARSV1	Stamp Cartridge
MXEB11	Enhanced Compression Kit
MXEB12	Mirroring Expansion Kit
MXAMX1	Application Integration Module
MXAMX2	Application Communication Module (standard on MX5111N)
MXAMX3	External Accounting Module
MXFR33U	Commercial Data Security Kit (not available at time of launch)

Supplies

MX51NTBA	Black Toner Cartridge
MX51NTCA	Cyan Toner Cartridge
MX51NTMA	Magenta Toner Cartridge
MX51NTYA	Yellow Toner Cartridge
MX51NVBA	Black Developer
MX51NVSA	Cyan/Magenta/Yellow Developer
MX31NRSA	Drum

[1] Some features require optional equipment.
[2] May vary depending on product configuration, machine settings and operating and/or environmental conditions.
[3] Actual transmission time will vary based on line conditions.
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.

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